



FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Attorney Docket Number	36795/PAN/B600
Application Number	09/643,921
Filing Date	August 23, 2000
Applicant(s)	Wilf LeBlanc et al.
Group Art Unit	2644
Examiner Name	To be Assigned

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EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		R. W. LUCKY, <i>QAM Receiver I. General Description of Complete Receiver Block Diagram and Details of the Symbol Clock Recovery and Other Front-End Subsystems</i> , Applications of Communications Theory, Chapter 13, pages 127-135, Bellcore <b>NO Date</b>
		R. W. LUCKY, <i>QAM Receiver II. The Passband Adaptive Equalizer and Carrier Recovery System</i> , Applications of Communications Theory, Chapter 14, Pages 137-151, Bellcore <b>no Date</b>
		EDWARD A. LEE et al., <i>Adaptive Equalization</i> , Digital Communication, Chapter 9, pages 371-402 <b>no date</b>
		EDWARD A. LEE et al., <i>Timing Recovery</i> , Digital Communication, Chapter 15, Pages 560-582 <b>NO Date</b>
		WILLIAM WEBB et al., <i>Basic Equaliser Techniques</i> , Modern Quadrature Amplitude Modulation, Principles and Applications for Fixed and Wireless Communications, IEEE Press, New York, Chapter 7, Pages 197-211 <b>NO Date</b>
		MIKE GRAY, <i>FAX Technology Tutorial and Testing Issues</i> , Agilent Technologies, © 2000, pages 1-20 <b>no Date</b>
		<i>FAX Over IP Opportunities and Options</i> , Natural MicroSystems, 7 sheets <b>no Date</b>
		EIA/TIA-464-B, Requirements for Private Branch Exchange (PBX) Switching Equipment, "6 Signaling Requirements, 6.1 Network Signaling - Analog," pages 140-146 <b>no Date</b>
		MAN MOHAN SONDHAI et al., <i>Silencing Echoes on the Telephone Network</i> , Proceedings of the IEEE, © August 1980, Vol. 68, No. 8, pages 948-963 <b>NO Day</b>
		JOHN G. PROAKIS, <i>Digital Signaling Over a Channel With Intersymbol Interference</i> , Digital Communications, ISBN 0-07-05097-1, © 1983, Pages 357-381, McGraw-Hill, Inc. <b>no month or day</b>
		BELL COMMUNICATIONS RESEARCH, <i>Dual-Tone Multifrequency Receiver Generic Requirements for End-to-End Signaling Over Tandem-Switched Voice Links</i> , © March 1987, Technical Reference TR-TSY-000181 Issue 1, 11 sheets <b>no month or day</b>
		BELL COMMUNICATIONS RESEARCH, <i>Impulse Noise Tape No. 201</i> , Technical Reference TR-TSY-000762 Issue 1, © July 1987, 4 sheets <b>NO Day</b>

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DS

INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, *Data Compression Procedures For Data Circuit Terminating Equipment (DCE) Using Error Correction Procedures*, ITU-T Recommendation, V.42 bis; © ITU 1990; 29 sheets *NO Month or Day*

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INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, General Aspects of Digital Transmission Systems; Terminal Equipments, 40, 32, 24, 16 kbit/s *Adaptive Differential Pulse Code Modulation (ADPCM)*, ITU-T Recommendation, G.726; © 1990; 59 sheets *module*

DS

INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, General Aspects of Digital Transmission Systems; Terminal Equipments, 5-, 4-, 3- And 2-bits *Sample Embedded Adaptive Differential Pulse Code Modulation (ADPCM)*; Recommendation G. 727; © ITU 1990; 57 sheets *NO Month or Day*

DS

INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, *A 2-Wire Modem for Facsimile Applications With Rates up to 14 400 bit/s*, Recommendation V. 17; © ITU 1991; 13 sheets *NO Month or Day*

DS

INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, *A Duplex Modem Operating At Data Signalling Rates Of Up To 14 400 bit/s For Use On The General Switched Telephone Network And On Leased Point-To-Point 2-Wire Telephone-Type Circuits*, ITU-T Recommendation V. 32 bis; © ITU 1991, 24 sheets *NO Month or Day*

DENNIS R. MORGAN et al., AT & T Bell Laboratories; *A Multi-Tone Pseudo-Cascade Filtered-X LMS Adaptive Notch Filter*, Proceeding of the IEEE International Conference in Acoustic Speech and Signal Processing, ICASSP 91, Vol. 3 D, May 1991, Toronto, Ontario, Canada, pages 2093-2096 *NO Day*

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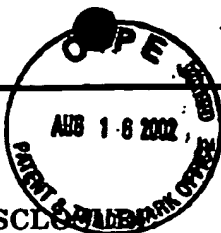
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DS		PANOS E. PAPAMICHALIS, Texas Instruments, Inc., <i>Practical Approaches to Speech Coding</i> , Prentice-Hall, Inc., Englewood Cliffs, New Jersey; 1992, pages 163-167 <i>nominal</i>
DS		JAMES THI et al., AT & T Bell Laboratories; <i>A Broadband Pseudo-Cascade Active Control System</i> , Proceeding of the IEEE International Conference in Acoustic Speech and Signal Processing; © 1992 IEEE; pp. II-233-II-236 <i>only yr</i>
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU; General Aspects of Digital Transmission Systems; Terminal Equipments, <i>Coding of Speech at 16 kbit/s Using Low-delay Code Excited Linear Prediction</i> , Recommendation G. 728; 09/1992, 65 sheets <i>NO DAY</i>
DS		DENNIS R. MORGAN et al., AT & T Bell Laboratories, <i>A Multitone Pseudocascade Filtered-X LMS Adaptive Notch Filter</i> , IEEE Transactions on Signal Processing, Vol. 41, No. 2; © February 1993; pages 946-956 <i>NO DAY</i>
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Characteristics of International Telephone Connections and International Telephone Circuits, <i>Echo Cancellers</i> , ITU-T Recommendation G. 165; © ITU 1994; 31 sheets <i>NEW YEAR</i>
DS		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, <i>A Family Of 2-Wire, Duplex Modems Operating At Data Signalling Rates Of Up To 9600 bit/s For Use On The General Switched Telephone Network And On Leased Telephone-Type Circuits</i> , ITU-T Recommendation V.32; © 1993; 26 sheets <i>only yr</i>
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>ERROR-CORRECTING PROCEDURES FOR DCES USING ASYNCHRONOUS-TO-SYNCHRONOUS CONVERSION</i> , ITU-T Recommendation V. 42; © ITU 1993; 78 sheets <i>only yr</i>
DS		GARDNER et al.; Qualcomm Inc.; <i>QCELP: A Variable Rate Speech Coder for CDMA Digital Cellular</i> , © 1993 by Kluwer Academic Publishers; Second Printing 1995; 9 sheets <i>only yr</i>

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DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU; Data Communication Over The Telephone Network, A Modem Operating At Data Signalling Rates Of Up To 28 800 bit/s For Use On The General Switched Telephone Network And On Leased Point-To-Point 2-Wire Telephone-Type Circuits, ITU-T Recommendation V.34; © ITU 1994; 43 sheets only
DS		INTERNATIONAL TELECOMMUNICATION UNION ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Coding of Speech at 16 kbit/s Using Low-Delay Code Excited Linear Prediction, Annex G: 16 kbit/s Fixed Point Specification, ITU-T Recommendation G.728 - Annex G; © ITU 1995; 67 sheets only
DS		IEEE; IEEE Standards for Local and Metropolitan Area Networks: Supplement to Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, "Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mb/s Operation, Type 100BASE-T (Clauses 21-30); © 1995; 408 sheets only
DS		DENNIS R. MORGAN et al., A Delayless Subband Adaptive Filter Architecture, IEEE Transactions on Signal Processing; Vol. 43, No. 8; © August 1995, pages 1819-1830 w/Day
DS		Internet Papers: SCHULZRINNE H.; RTP Profile for Audio and Video Conferences with Minimal Control, Network Working Group Request for Comments: 1890; http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc1890.html; January 1996; 15 sheets w/Day
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Dual Rate Speech Coder For Multimedia Communications Transmitting at 5.3 and 6.3 kbit/s; ITU-T Recommendation G. 723.1; © ITU 1996; 31 sheets only

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DS		INTERNATIONAL TELECOMMUNICATION UNION ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, <i>Coding of Speech at 8 kbit/s Using Conjugate-Structure Algebraic-Code-Excited Linear-Prediction (CS-ACELP)</i> ; ITU-T Recommendation G.729; © ITU 1996; 38 sheets <i>Yronky</i>
DS		BELLCORE Bell Communication Research, Generic Requirements GR-506-CORE, <i>LSSGR: Signaling for Analog Interfaces</i> , (A Module of LSSGR, FR-64); Issue 1; © June 1996; 240 sheets <i>NO Doc</i>
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series T: Terminal Equipments and Protocols for Telematic Services, <i>Procedures for Document Facsimile Transmission in the General Switched Telephone Network</i> , ITU-T Recommendation T. 30; © ITU 1997; 74 sheets <i>Yr</i>
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series T: Terminal Equipments and Protocols for Telematic Services, <i>Standardization of Group 3 Facsimile Terminals for Document Transmission</i> , ITU-T Recommendation T. 4; © ITU 1997; 61 sheets <i>Yr</i>
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Transmission Systems - Terminal Equipments - Coding of Analogue Signals By Methods Other Than PCM, <i>Dual Rate Speech Coder for Multimedia Communications Transmitting at 5.3 and 6.3 kbit/s, Annex A: Silence Compression Scheme</i> ; ITU-T Recommendation G.723.1 - Annex A; © ITU 1997; 22 sheets <i>only</i>
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Transmission Systems - Terminal Equipments - Coding of Analogue Signals by Methods Other Than PCM, "Coding of Speech at 8 kbit/s Using Conjugate Structure Algebraic-Code-Excited Linear-Prediction (CS-ACELP), Annex B: A Silence Compression Scheme For G.729 Optimized for Terminals Conforming to Recommendation V.70, ITU-T Recommendation G.729 - Annex B; © ITU 1997; 23 sheets <i>only Yr</i>

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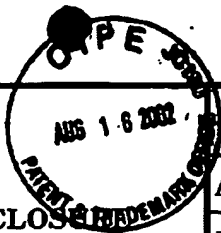
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DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Transmission Systems - Terminal Equipments - Coding of Analogue Signals by Methods Other Than PCM, <i>Coding of Speech at 8 kbit/s Using Conjugate Structure Algebraic-Code-Excited Linear-Prediction (CS-ACELP) Annex A: Reduced Complexity 8 kbit/s CS-ACELP Speech Codec</i> , ITU-T Recommendation G.729 - Annex A; © ITU 1997; 15 sheets
DS		European Telecommunication Standard, <i>Digital Cellular Telecommunications System; Half Rate Speech; Voice Activity Detector (VAD) for Half Rate Speech Traffic Channels (GSM 06.42 version 5.0.1)</i> ; Source ETS; TC-GSM; Reference DE/SMG-110642Q; ©1997; 21 sheets
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T, Telecommunication Standardization Sector of ITU, Series I: Integrated Services Digital Network, Overall Network Aspects and Functions - Protocol Layer Requirements, <i>B-ISDN ATM Adaptation Layer Specification: Type 2 AAL</i> , ITU-T Recommendation I.363.2; © 1998; 47 sheets
DS		Internet Papers: PERKINS et al.; <i>RTP Payload for Redundant Audio Data</i> ; Network Working Group Request for Comments: 2198; <a href="http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc2198.html">http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc2198.html</a> ; September 1997; pages 1-9
DS		Internet Papers: SCHULZRINNE, "RTP Profile for Audio and Video Conferences with Minimal Control," Internet Engineering Task Force, Internet Draft; <a href="http://hegel.ittc.ukans.edu/topics/internet/internet-drafts/draft-i/draft-ietf-avt-profile-new-C..">http://hegel.ittc.ukans.edu/topics/internet/internet-drafts/draft-i/draft-ietf-avt-profile-new-C..</a> ; November 20, 1997; pages 1-29
DS		IMTC Voice over IP Forum Technical Committee, "IMTC Voice over IP Forum Service Interoperability Implementation Agreement 1.0," December 1, 1997, VoIP97-061; pages 1-44
DS		EDWARD B. MORGAN, Fax Over Packet; Telogy Networks, Inc., Germantown, Maryland; © 1998; pages 1-12

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JS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, SERIES T: TERMINALS FOR TELEMATIC SERVICES, <i>Procedures for Real Time Group 3 Facsimile Communication Over IP Networks</i> , ITU-T Pre-published Recommendation T. 38; © ITU 1998; 32 sheets <i>yr only</i>
JS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series V: Data Communication Over the Telephone Network, <i>Simultaneous Transmission of Data and Other Signals, A Digital Modem and Analogue Modem Pair For Use on the Public Switched Telephone Network (PSTN) at Data Signalling Rates of up to 56 000 bit/s Downstream and up to 33 600 bit/s Upstream</i> , ITU-T Recommendation V. 90; © ITU 1999; 49 sheets <i>yr only</i>
JS		FRAME RELAY FORUM TECHNICAL COMMITTEE, <i>Voice over Frame Relay Implementation Agreement</i> ; © 1998; 54 sheets <i>yr only</i>
JS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series I: Integrated Services Digital Network, Overall Network Aspects and Functions - Protocol Layer Requirements, <i>AAL Type 2 Service Specific Convergence Sublayer For Trunking</i> ; ITU-T Recommendation I.366.2; © ITU 1999; 96 sheets <i>yr only</i>
JS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Systems and Networks, <i>Automatic Level Control Devices</i> ; ITU-T Recommendation G.169; © ITU 1999; pages 1-52 <i>yr only</i>

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DS		Internet Papers: SCHULZRINNE et al.; <i>RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals</i> ; Network Working Group Request for Comments: 2833; © The Internet Society 2000; 31 sheets yr only
DS		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Systems and Networks, International Telephone Connections and Circuits - Apparatus Associated With Long-Distance Telephone Circuits, <i>Digital Network Echo Cancellers</i> ; ITU-T Recommendation G. 168; © ITU 1997; 95 sheets yr only
DS		ETSI EN 300 973, GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS, <i>Digital cellular telecommunications system (Phase 2+); Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels</i> ; GSM 06.42 version 8.0.1 Release 1999); © 2000; pages 1-22 yr only

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<b>FORM PTO/SB/08A/B (10-01)</b> Substitute for PTO-1449A/B  <b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Attorney Docket Number</b>	<b>36795/PAN/B600</b>
	<b>Application Number</b>	<b>09/643,921</b>
	<b>Filing Date</b>	<b>August 23, 2000</b>
	<b>Applicant(s)</b>	<b>Wilf LeBlanc et al.</b>
	<b>Group Art Unit</b>	<b>2644</b>
	<b>Examiner Name</b>	<b>To be Assigned</b>

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**OTHER DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>DS</i>		BELL COMMUNICATIONS RESEARCH, <i>Digit Simulation Test Tape</i> , Technical Reference TR-TSY-000763 Issue 1, © July 1987, 6 sheets <i>NO DAY</i>
<i>DS</i>		JOHN A.C. BINGHAM, <i>Timing Recovery</i> , The Theory and Practice of Modem Design, © 1988, Chapter 7, pages 189-236, John Wiley & Sons, Inc. <i>Wmattor Day</i>
<i>DS</i>		JOHN A.C. BINGHAM, <i>Linear Adaptive Equalizers</i> , The Theory and Practice of Modem Design, © 1988, Chapter 8, pages 237-252, John Wiley & Sons, Inc. <i>Wmattor Day</i>
<i>DS</i>		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Terminal Equipments, <i>Pulse Code Modulation (PCM) of Voice Frequencies</i> , ITU-T Recommendation, G. 711; © ITU 1988, 1993; 8 sheets <i>NO MONTH OR DAY</i>
<i>DS</i>		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Transmission Systems and Media, Apparatus Associated With Long-Distance Telephone Circuits and Other Terminal Equipments, <i>Echo Suppressors</i> , ITU-T Recommendation, G. 164; © ITU 1988, 1993; 36 sheets <i>NO MONTH OR DAY</i>
<i>DS</i>		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Terminal Equipments, <i>7 kHz Audio -Coding Within 64 Kbit/s</i> , ITU Recommendation; G. 722; © ITU 1988, 1993; 76 sheets <i>NO MONTH OR DAY</i>
<i>DS</i>		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Recommendations On Telephone Switching and Signalling, International Automatic and Semi-Automatic Working, <i>Technical Features of Push-Button Telephone Sets</i> , ITU-T Recommendation; Q 23; © ITU 1988, 1993, 4 sheets <i>NO MONTH OR DAY</i>
<i>DS</i>		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Recommendations on Telephone Switching and Signalling, International Automatic and Semi-Automatic Working, <i>Multifrequency Push-button Signal Reception</i> , ITU-T Recommendation, Q. 24, © ITU 1988, 1993, 7 sheets <i>NO MONTH OR DAY</i>

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<i>JS</i>		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>300 Bits Per Second Duplex Modem Standardized For Use in The General Switched Telephone Network</i> , ITU-T Recommendation V. 21; © ITU 1988, 1993; 7 sheets <i>NO MONTH OR DAY</i>
<i>JS</i>		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, <i>1200 Bits Per Second Duplex Modem Standardized For Use In The General Switched Telephone Network And On Point-To-Point 2-Wire Leased Telephone-Type Circuits</i> , ITU-T Recommendation V.22, © ITU 1988, 1993; 16 sheets <i>NO MONTH OR DAY</i>
<i>JS</i>		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, <i>2400 Bits Per Second Duplex Modem Using The Frequency Division Technique Standardized For Use On The General Switched Telephone Network And On Point-To-Point 2-Wire Leased Telephone-Type Circuits</i> , ITU-T Recommendation V.22 bis, © 1988, 1993; 18 sheets <i>NO MONTH OR DAY</i>
<i>JS</i>		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>4800/2400 Bits Per Second Modem Standardized For Use in The General Switched Telephone Network</i> , ITU-T Recommendation, V.27 ter, © ITU 1988, 1993; 15 sheets <i>NO DATE</i>
<i>JS</i>		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>9600 Bits Per Second Modem Standardized For Use On Point-To-Point 4-Wire Leased Telephone-Type Circuits</i> , ITU-T Recommendation, V. 29, © ITU 1988, 1993, 17 sheets <i>NO DATE</i>
<i>JS</i>		FUYUN LING et al., <i>Convergence and Steady-State Behavior of a Phase-Splitting Fractionally Spaced Equalizer</i> , IEEE Transactions on Communications, © April 4, 1990, Vol. 38, No. 4, pages 418-425, IEEE
<i>JS</i>		PAUL FISCHER, <i>State Machines In C</i> , The C Users Journal, December 1990, pages 119-122 <i>NO DATE</i>

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